

P a t e n t C l a i m s

1 1. A method of producing high porous metallic molded
2 bodies with the following process steps:

3 a metal powder used as the starting material is mixed
4 with a place holder,

5 from the mixture a green body is pressed,

6 the green body is subjected to a conventional mechanical
7 machining,

8 the place holder material is removed thermally from the
9 green body in air or under vacuum or under a protective gas,

10 the green body is sintered to the molded body.

1 2. The method according to preceding claim 1 in which
2 carbamide, biuret, melamine, melamine resin, ammonium carbonate or
3 ammoniumbi carbonate is used as the place holder.

1 3. The method according to one of the preceding claims 1
2 to 2, in which the place holder is removed at a temperature below
3 300°C, especially below 105°C and especially advantageously below
4 70°C.

1 4. The method according to one of the preceding claims 1
2 to 3, in which stainless steel 1.4404 (316L) or titanium is used as
3 the metallic starting powder.

1 5. The method according to one of the preceding claims 1
2 to 4, in which the molded body is produced by sawing, boring,
3 turning, milling or grinding in the green state to close to its
4 final contour.

1 6. The method according to one of the preceding claims 1
2 to 5, in which the sintering is carried out in a bed of ceramic
3 balls.

1 7. The method according to one of the preceding claims 1
2 to 6, in which the molded body following sintering is trovalized or
3 ground smooth.